

Name: _____

Date: _____

Hour: _____

Heat Transfer Web Quest

Directions: Go to schueneman.weebly.com and follow the links! Spell SCHUENEMAN correctly or you will not find my website! Click on the 6th grade tab and scroll to today's date.

Part 1

Go to the "Part 1" link on Mrs. Schueneman's Website:

<https://www.wisc-online.com/learn/natural-science/earth-science/sce304/heat-transfer-conduction-convection-radiation>

View the presentation and answer the following questions below.

1. What are the three ways heat is transferred?

a. _____ b. _____ c. _____

Click on each type of heat transfer to learn more and answer the questions below.

Conduction

2. What is conduction? _____

3. Describe how the heat transfers when the burner is lit.

4.

List 3 good conductors	List 3 poor conductors (insulators)

Radiation

5. What is radiation?

6. Describe three other examples of radiation.

- _____
- _____
- _____

7. Draw **and label** a picture of one of the examples that demonstrates radiation.



Convection

8. What is convection? What happens to the hot air? What happens to the cold air?

9. List three other examples of convection.

a. _____ b. _____ c. _____

Part 2: Use your knowledge from Part 1 to answer the questions.

10. Label each picture with which type of heat transfer is happening.



a. _____



b. _____



c. _____

Part 3

Click the link under “Part 3” on Mrs. Schueneman’s website.

http://www.lowes.com/cd_Understand+Heat+Transfer+and+Insulation_974680410

11. Read the information for ideas on how heat transfer is seen in our everyday lives. After you read this article, describe 5 ways in which you can protect your home from heat energy escaping or entering.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

Part 4

Click on the link under Part 4 on Mrs. Schueneman’s website.

12. Read the information and watch the popcorn slow motion video. Use the film strip and draw what one kernel of corn looks like while it’s popping.

1. When it starts

2. In the middle

3. At the end



